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County Borough of Southampton.

Annual Report

OF THE

SCHOOL HEALTH SERVICE

for the Year 1946

BY

H. C. MAURICE WILLIAMS, O.B.E.

M.R.C.S., L.R.C.P. D.P.H.,

School Medical Officer and Medical Officer of Health

TO THE

County Borough and Port of Southampton.



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COUNTY BOROUGH of SOUTHAMPTON
1946

ANNUAL REPORT
OF THE
Medical Officer to the Education Committee
ON THE
SCHOOL HEALTH SERVICE

To the Chairman and Members of the Education Committee.

LADIES AND GENTLEMEN,

As Medical Officer to the Education Committee, I have the honour to submit my Sixteenth Annual Report. This document is the thirty-ninth in the series which deals with the work of medical inspection, treatment, and the physical condition of children attending schools in the County Borough of Southampton.

Unfortunately the lack of both medical and dental staff has again had an adverse effect on the inspection of school children and although all available sessions have been devoted to this very important section of the service the inspection at certain schools has of necessity had to be deferred until the following year.

To comply with the Ministry of Education requirements and in order to increase the number of examinations of children falling within the three prescribed age groups, the medical inspection of the intermediate group of children of eight years of age was discontinued in September.

A slight increase in the incidence of head uncleanliness was apparent during the year when the Health Visitors carried out 68,294 examinations and issued 1,593 exclusion certificates.

A high percentage of the children so excluded attended the school clinics for treatment and detailed statistics concerning this branch of the work will be found on page 14.

The procedure for the routine cleanliness examinations remains unchanged. The Health Visitors visit all the schools at the commencement of each term and examine all the children in attendance. Children found with head infestations are excluded from school for twenty-four hours and the parents are given written advice as to the correct method to remedy the defective condition and are instructed to send children to the school clinics for examination before returning them to school.

The children excluded from school on account of head uncleanliness are kept under the close supervision of the Health Visitors for the remainder of the term.

The Scabies Order of 1941 is employed in cases where three or more exclusions occur within a period of twelve months and where the requirements of the Order are disregarded the Town Clerk is instructed to initiate legal proceedings.

During the year under review 91 families have been dealt with under this Order and in five cases legal proceedings have been taken.

In the five cases prosecuted fines of 40/-, 20/-, and 10/- respectively were imposed on three families, one case was dismissed with a caution and the final case was withdrawn.

The incidence of scabies remained practically unchanged as compared with the previous year, 2,408 patients receiving treatment at the four treatment centres as against 2,413 in 1945.

The remedial exercise centres established at the schools now number twenty-one and include five at the Secondary Grammar Schools.

The work at these Centres is supervised by one of the Physical Training Organisers whose report is printed on page 17.

The medical examination of the pre-school children attending the Day Nurseries is carried out by an Assistant School Medical Officer at intervals of two months, and children found to be suffering from defective conditions are referred either to private practitioners or to the appropriate clinics where the full facilities provided are made available.

Dental Inspection at the Day Nurseries is also carried out and again the facilities for treatment are made available for children referred for treatment by the dental officers.

A branch clinic at St. John's School was opened in January. A Health Visitor attends the clinic for the treatment of minor ailments and minor skin conditions.

Four branch clinics are now in operation throughout the town and serve a most useful purpose in that they free the main clinics for the treatment of more serious cases and in addition prevent a good deal of loss of schooling in the case of children attending the branch clinics for treatment.

A considerable increase in the number of school meals served and the quantity of milk supplied to children at school has been recorded during 1946.

In the case of meals the increase amounted to 257,985 and for milk 557,246 third pints. Detailed statistics covering the provision of meals, the consumption of milk and the supply of cod liver oil and malt will be found on page 31.

In my introduction to the 1945 report I referred to the changes brought about by the introduction of the Education Act of 1944 pointing out its effect on the work of the service. During 1946 the work undertaken in the light of the new Act has proceeded without setback.

It has not been necessary to enforce the attendance of children for medical inspection as prescribed in the Act and the number of refusals met with has been surprisingly small

The physically defective, educationally subnormal and mal-adjusted children brought to my notice have been dealt with and the requisite recommendation has been passed to the Education Department.

Some concern is naturally felt with regard to the extreme difficulty and indeed in some cases the impossibility of finding suitable institutional accommodation for a number of the children so referred, this being particularly apparent in the case of the maladjusted cases.

It is hoped that a number of the children falling in the latter category will benefit by child guidance treatment when the child guidance centre is re-established.

As the Committee know the central school clinic and the clerical staff of the School Medical Department have for the past five years occupied the basement and certain class-rooms at Mount Pleasant School and despite many disadvantages and limited accommodation it has been possible to operate a full service.

With the raising of the school leaving age in April, 1947 the whole of the premises at Mount Pleasant School will be needed for educational purposes and it is hoped that the premises now under renovation at King's Park Road will be ready for occupation by all the sections of the Health Department now at Mount Pleasant School early in 1947.

Dr. N. W. MacKeith was appointed as Ear, Nose and Throat Specialist in February, 1946, and resigned in August. He was succeeded by Dr. J. B. Sugden, who was appointed in September, 1946.

Dr. E. W. Brett was appointed as Temporary Assistant School Medical Officer in January, 1946.

Dr. L. Walsh, Locum Tenens Assistant School Medical Officer resigned his appointment in May, 1946.

Dr. G. R. Taylor, Senior Assistant School Medical Officer returned from H. M. Forces in April, 1946.

Mr. C. A. Blanden was appointed to the position of Senior Dental Officer on his return from H. M. Service in March, 1946.

Miss A. E. Castellain, Physiotherapist, was appointed in January, 1946, and resigned in May, 1946.

Other changes have taken place during the year affecting the Health Visiting, the Nursing and the Clerical Staffs of the School Health Service.

In conclusion I desire to express my appreciation and thanks to the Chairman and Members of the School Clinic (Joint) Sub-Committee for their support and encouragement and for the courtesy with which they have considered my many suggestions and recommendations.

I also wish to thank the Education Department, the Teachers, The National Association for the Prevention of Cruelty to Children, The Southampton Mental Welfare Association and the staffs of the Voluntary Hospitals for their co-operation and valuable assistance.

To the members of the Medical, Dental, Nursing and Clerical Staff I express my appreciation and thanks for the willing and conscientious work carried out during the year.

I am,

Mr. Chairman, Ladies and Gentlemen,

Your obedient Servant,

G. R. Manning. L.R.C.P.

School Medical Officer.

CO-ORDINATION.

The arrangements for the co-ordination of the Public Health Services and the School Health Service have continued as in the pre-war years.

In Southampton close co-operation is maintained, the medical and nursing staff carrying out both Public Health and School Health work while the administration is directed by the Medical Officer of Health who is also School Medical Officer and Superintendent of the Municipal Hospitals.

The School Health Service therefore functions as a unit of the Health Department.

SCHOOL MEDICAL INSPECTION AND HYGIENE

MEDICAL INSPECTION.

The following table shows the number of children examined under the Routine Age Groups.

School.	Entrants.		Inter- mediates.		2nd Age Group.		3rd Age Group		Total
	Boys	Girls	Boys	Girls	Boys	Girls	Boys	Girls	
Aldermoor	40	38	78	75	28	20	—	—	279
Ascupart	58	44	139	74	46	20	—	—	381
Bassett Green	53	25	73	58	—	12	—	—	221
Bevois Town	9	11	9	14	—	—	—	—	43
Bitterne C. of E.	7	2	46	36	—	11	—	—	102
Bitterne Manor	12	24	6	3	8	4	—	—	57
Bitterne Park	108	101	80	105	5	3	—	—	402
Central	69	71	82	64	90	12	152	—	540
Chestnut Road	—	—	49	56	5	5	—	—	115
Deanery	—	—	—	—	10	13	57	63	143
Foundry Lane	63	62	6	1	—	—	—	—	132
Freemantle	11	12	43	33	9	7	—	—	115
King Edward VI	—	—	6	—	4	—	121	—	131
Laundry Road	27	19	8	6	—	—	—	—	60
Ludlow Road	—	16	147	46	13	25	—	—	247
Merry Oak	—	—	—	—	53	—	64	—	117
Mount Pleasant	39	28	—	—	—	9	—	140	216
Northam	52	33	17	7	—	6	—	—	115
Portsmouth	49	38	16	8	2	7	—	—	120
Regents Park	76	86	—	—	39	5	137	81	424
St. Denys	7	5	19	20	18	14	—	—	83
St. John's	18	20	21	16	2	4	—	—	81
St. Joseph's	5	9	13	9	7	3	2	7	55
St. Mark's	25	27	24	24	5	7	—	—	112
St. Mary's	6	50	—	54	—	16	—	—	126
St. Monica Road	21	31	61	64	3	11	—	—	191
Shirley	124	78	37	42	39	21	—	—	341
Sholing (Middle Road)	107	82	60	66	11	8	—	—	334
Swaythling	19	16	40	40	18	17	120	102	372
Western	55	53	41	42	1	—	—	1	193
Westfield Hall	17	8	—	—	—	—	—	—	25
Woolston (Porchester Rd.)	—	—	—	—	5	2	108	99	214
Woolston (Church Rd.)	82	27	—	—	—	—	—	—	109
TOTALS ...	1159	1016	1121	963	421	262	761	493	6196

The definition of the Age Groups concerned is as under :—

Entrants—Pupils admitted for the first time to a maintained school.

Intermediates—Pupils of eight years plus (the examination of this group was discontinued in September).

Second Age Group—Pupils in their last year of attendance at a primary school.

Third Age Group—Pupils in their last year of attendance at a secondary school.

ATTENDANCE OF PARENTS.

The following table shows the attendance of parents during the year, with comparative figures for the previous five years.

AGE GROUP	Number of Children Inspected	Number of Parents Present	Percentage in					
			1946	1945	1944	1943	1942	1941
Entrants								
Boys	1159	934						
Girls	1016	905						
	2175	1839	84.6	85.0	85.2	82.2	85.6	87.2
Inter-mediates								
Boys	1121	784						
Girls	963	735						
	2084	1519	72.9	71.7	60.3	59.9	77.5	73.7
2nd Age Group								
Boys	421	228						
Girls	262	176						
	683	404	59.2	Not Inspected	Previous to	1946.		
3rd Age Group								
Boys	761	207						
Girls	493	245						
	1254	452	36.0	38.7	30.2	37.5	66.8	65.0
TOTALS	6196	4214	68.0	64.7	61.9	64.2	82.2	82.7

FINDINGS AT MEDICAL INSPECTION.

WEIGHT, HEIGHT AND CHEST MEASUREMENTS.

The weight and measurements of each child to be medically examined at routine inspections are ascertained by a Health Visitor.

The statistics given below for the routine age groups have been obtained by the same methods as in previous years, and comparative figures for the previous five years are also given.

COMPARATIVE TABLE OF CODE AGE PERIODS.

BOYS.

	WEIGHT st. lbs. ozs.	HEIGHT inches.	CHEST MEASUREMENT inches.
5 Years.			
1946	3 0 14.6	43.2	21.5
1945	2 13 8.8	42.2	19.7
1944	2 13 9.1	42.6	21.7
1943	3 0 10.4	43.2	21.6
1942	2 13 8.5	41.8	21.3
1941	3 0 6.0	42.6	21.3
8 Years (Intermediates).			
1946	3 12 13.6	48.8	23.2
1945	3 10 11.7	50.4	22.3
1944	3 11 10.8	48.2	23.1
1943	3 12 3.1	48.5	23.0
1942	3 7 14.0	47.5	22.8
1941	3 9 14.1	49.1	25.7
12 Years (Leavers).			
1946	5 5 9.2	56.2	25.9
1945	5 6 13.0	56.0	25.5
1944	5 9 5.5	56.6	26.7
1943	5 4 5.2	54.3	25.6
1942	5 0 1.9	54.5	25.3
1941	5 8 3.4	54.9	26.1

COMPARATIVE TABLE OF CODE AGE PERIODS.—Continued.

GIRLS.

	WEIGHT st. lbs. ozs.	HEIGHT inches.	CHEST MEASUREMENT inches.
5 Years.			
1946	2 13 2.9	42.8	21.1
1945	2 13 2.4	42.6	19.3
1944	2 12 14.8	42.5	21.2
1943	2 12 14.5	42.8	21.0
1942	2 12 14.0	42.3	20.8
1941	2 12 1.2	42.4	20.9
8 Years (Intermediates).			
1946	3 11 9.1	48.7	22.7
1945	3 8 13.1	48.0	21.5
1944	3 9 10.1	48.2	22.6
1943	3 10 12.4	48.4	22.4
1942	3 8 7.1	47.6	22.4
1941	3 10 0.7	47.9	22.7
12 Years (Leavers).			
1946	5 7 12.3	56.1	25.1
1945	5 11 15.3	58.0	26.6
1944	5 10 13.6	56.7	27.2
1943	5 4 9.5	55.6	26.1
1942	5 4 2.7	55.0	25.1
1941	5 9 2.8	55.8	26.3

CLASSIFICATION OF THE NUTRITION OF CHILDREN INSPECTED DURING THE YEAR
IN THE ROUTINE AGE GROUPS.

Age Group.	No. Inspected.	A. Excellent. No.	B. Normal. No.	C. Slightly Sub-normal. No.	D. Bad. No.	
					%	%
Entrants ...	2175	398	18.3	1636	75.2	6.5
Intermediates ...	2084	288	13.8	1625	78.0	8.2
Second Age Group	683	147	21.5	490	71.8	6.7
Third Age Group	1254	272	21.7	902	71.9	6.4
Totals ...	6196	1105	17.8	4653	75.1	7.1
				437	1	—

SKIN DISEASE.

Only one case of ringworm of the scalp was diagnosed during the year although a careful watch has been maintained at all Schools. Suspected cases are referred to the Skin Clinic at Mount Pleasant School Clinic for diagnosis with the help of Woods Light and specimens of hair are sent to the Public Health Laboratory, Winchester, for identification. The case diagnosed was treated by X-ray depilation under the Authority's Scheme and no further cases have been disclosed.

Minor outbreaks of plantar warts have occurred in the Senior Girls' and Boys' Departments.

DEFECTIVE VISION AND EYE DISEASE.

The following table shows the incidence of eye defects in the various age groups :—

DEFECTS OF THE EYES REQUIRING TREATMENT OR OBSERVATION FOUND AT ROUTINE MEDICAL INSPECTION, 1946.

Age Group	Number Examined.	Defective Vision.		Squint.		Other Conditions.		Total.	
		No.	%	No.	%	No.	%	No.	%
Entrants ...	2175	359	16.5	42	2.0	25	1.1	426	19.6
Intermediates	2084	508	24.4	25	1.2	32	1.5	565	27.1
2nd Age Group	683	128	18.7	1	0.1	12	1.8	141	20.6
3rd Age Group	1254	231	18.4	9	0.7	22	1.8	262	20.9
Totals ...	6196	1226	19.8	77	1.2	91	1.5	1394	22.5

CHRONIC TONSILITIS AND ADENOIDS.

The following table gives details of the defects found in the various age groups :—

DEFECTS FOUND AT ROUTINE MEDICAL INSPECTION REQUIRING TREATMENT OR OBSERVATION, 1946.

Age Group	Number Examined.	Chronic Tonsillitis		Chronic Adenoids.		Tonsillitis & Adenoids.		Total.	
		No.	%	No.	%	No.	%	No.	%
Entrants	2175	62	2.8	29	1.3	654	30.1	745	34.2
Intermediates	2084	45	2.2	12	0.6	793	38.0	850	40.8
2nd Age Group	683	18	2.6	—	—	196	28.7	214	31.3
3rd Age Group	1254	25	2.0	4	0.3	516	41.1	545	43.4
Totals	6196	150	2.4	45	0.7	2159	34.9	2354	38.0

EAR DISEASE AND DEFECTIVE HEARING.

The following table shows details of the defects found in the various age groups :—

DEFECTS FOUND AT ROUTINE MEDICAL INSPECTION REQUIRING TREATMENT OR OBSERVATION, 1946.

Age Group	Number Examined.	Ear Disease.		Defective Hearing.		Total.	
		No.	%	No.	%	No.	%
Entrants	2175	80	3.7	34	1.5	114	5.2
Intermediates	2084	47	2.3	13	0.6	60	2.9
2nd Age Group	683	11	1.6	8	1.2	19	2.8
3rd Age Group	1254	13	1.0	4	0.3	17	1.3
Totals	6196	151	2.4	59	1.0	210	3.4

ORTHOPAEDIC AND POSTURAL DEFECTS.

DEFECTS FOUND AT ROUTINE MEDICAL INSPECTION REQUIRING
TREATMENT OR OBSERVATION, 1946.

Age Group	Number Examined.	Rickets.		Spinal Curvature.		Other Deformities.		Total.	
		No.	%	No.	%	No.	%	No.	%
Entrants ...	2175	8	0.4	542	24.9	670	30.8	1220	56.1
Intermediates ...	2084	3	0.1	780	37.4	818	39.3	1601	76.8
2nd Age Group ...	683	2	0.3	222	32.5	267	39.1	491	71.9
3rd Age Group ...	1254	2	0.2	536	42.8	694	55.3	1232	98.3
Totals ...	6196	15	0.2	2080	33.6	2449	39.5	4544	73.3

TUBERCULOSIS.

The following table gives details of the notifications of tuberculosis in school children during the year :—

Location of Disease.	Boys.	Girls.	Total.
Pulmonary Tuberculosis ...	30	20	50
Non-Pulmonary Tuberculosis	3	8	11
Totals ...	33	28	61

FOLLOWING UP.

The following up of the defects found to require treatment or observation may be divided into two sections, namely, the re-examination by Medical Officers of the cases referred at routine medical inspection, and the subsequent following up by Health Visitors of the cases for which treatment has not been obtained.

HEALTH VISITING WORK.

Visits paid to the homes of :—

Dental Cases	...	...	...	16
Vision Cases	...	...	...	199
Ear, Nose and Throat Cases			...	184
Skin Cases	...	...	...	549
General Cases	...	...	...	658
Orthopaedic Cases			...	345
			—	1951
Visits paid to schools	...	...	...	1675
			—	3626

CLEANLINESS.

The Health Visitors have continued to carry out their periodic cleanliness examinations of all the children attending school. As a result of 68,294 examinations, 1593 Forms B necessitating exclusion from school were issued.

In Southampton facilities are provided at the School Clinics for the cleansing of the children found unclean. The following details show the work performed :—

Number of individual children cleansed ... 1,295.

Of this number 1068 children attended once.

”	”	174	”	”	twice.
”	”	40	”	”	three times.
”	”	9	”	”	four times.
”	”	3	”	”	five times.
”	”	1	”	”	six times.

Total ... 1,295

There were, therefore, 1,593 attendances for cleansing, and in each case complete treatment was given.

MUNICIPAL HEALTH CLINICS

EXTERNAL EYE DISEASE AND DEFECTIVE VISION.

During the war years the number of weekly sessions devoted to the Eye Clinic each week was reduced to two. In September, 1946, however, it was possible to revert to the pre-war arrangement with the Specialist conducting three sessions each week.

The following table gives details of the work carried out by the Specialist :—

		1946.	1945.	1944.
Attendances at the Clinic	... ...	2,600	2,328	2,359
Individual children seen by the Specialist	... ... ...	1,351	1,272	1,209
Submitted to refraction	... ...	462	428	423
Glasses prescribed	... ...	417	319	328
Received other treatment	... ...	68	54	47
Placed under observation	... ...	611	700	807
Found not to require treatment or observation	... ... ...	240	113	13
	Pre-School Cases.		School Cases.	
Number of Children for whom Spectacles were :—				Total.
(A) Prescribed	... 8		409	417
(B) Obtained	... 8		397	405

EAR, NOSE, AND THROAT CLINIC.

A total of 1,816 attendances were made by children during the year for examination and treatment by the Surgeon at the Ear, Nose, and Throat Clinic.

Operative treatment was carried out in respect of 384 children, while 404 children received other forms of treatment.

INSPECTION CLINIC.

These clinics are held on Wednesday afternoons and Saturday mornings at Mount Pleasant School Clinic and on Wednesday afternoons at the Itchen Clinic. Children referred to the Specialists' Clinics are in the first instance examined at the Inspection Clinic where, if considered necessary, recommendation to the appropriate clinic is made.

A considerable increase in the number of cases attending this clinic has taken place during the past two years and during 1946 it was found necessary to arrange for an additional doctor to assist at the Wednesday afternoon session at the Central Clinic in order to cope with the increased attendance.

In addition to cases called by appointment in the normal way, Teachers, Health Visitors, School Attendance Officers and parents are allowed to refer children to the clinic direct.

SENIOR SCHOOL DENTAL OFFICER'S REPORT ON THE DENTAL SERVICE.

This year the staff of the School Dental Service has consisted of three Dental Officers and three Dental Attendants who have done their best under adverse circumstances to treat and inspect as many as possible of the children under their care. In addition some time has been devoted to Tuberculosis and Maternity and Child Welfare cases.

Owing to the shortage of staff and inadequate facilities for carrying out treatment only a small proportion of the school population have had attention. 4,544 new cases have had some treatment during the year of whom 2,840 have been made dentally fit.

It is gratifying to record that for the first time since the dental inspection and treatment of school children came into being the extraction of teeth has fallen below the figure for conservative treatment. 4,789 teeth have had to be extracted of which 681 were permanent teeth; of these 88 were extracted for orthodontic reasons. 4,789 fillings were inserted in permanent teeth and 1,197 in temporary teeth; of the number inserted in the latter group 624 teeth were cut back and treated with silver nitrate and the results of this treatment appear to be extremely satisfactory.

In 1947 it is hoped that the strength of dental officers will be increased to five thus enabling a larger proportion of the school population to receive attention. At the moment the position is difficult and we are to a large extent confined to treating those children whose parents come to the clinics or write asking for dental treatment for their children.

REPORT BY THE PHYSICAL TRAINING ORGANISER ON THE SCHOOL REMEDIAL EXERCISE CENTRES.

In Southampton twenty-one Remedial Centres have been set up covering the various parts of the town, so arranged as to avoid children having very far to travel from their own particular school and thus obviate as far as possible any undue loss of schooling. In addition a Centre is established at the School Clinic at Mount Pleasant School for the benefit of the pre-school children and for children of school age who require individual attention and who cannot on this account be dealt with at the School Remedial Centres.

During the year 831 children attended these Centres for varying periods of time for remedial treatment of the milder forms of kyphosis, lordosis, mild postural scoliosis, general faulty posture, flat feet and knock knees.

Many of the halls where remedial exercises take place are also used for school dinners and for assembly purposes and consequently the floors are not as clean as could be desired.

As economic conditions improve it is hoped gradually to provide remedial rooms, adequately heated in winter with clean well surfaced floors.

An Assistant School Medical Officer has visited the Centres once each term to carry out the examination of the children in attendance.

In most cases parents are very co-operative and where lecture demonstrations on remedial work have been given to Parent Teachers Associations most encouraging support has been received.

It is apparent that parents appreciate all that is being done for their children.

SCHOOL REMEDIAL EXERCISE CENTRES.

The following table gives details of the work carried out during 1946 :—

Name of Centre.	No. of Children for whom accommodation is available.	No. of individual children dealt with during 1946.	Total No. of attendances made by child- ren during, 1946.
Aldermoor ...	30	17	1016
Bassett Green ...	30	52	2597
Bitterne Park Jun.	40	68	2385
Bitterne Park Sen.	20	18	1135
Deanery ...	20	32	1291
Foundry Lane ...	24	47	2236
Ludlow Road ...	25	48	3432
Middle Road ...	30	54	2076
Mount Pleasant ...	40	79	2270
Portswood ...	30	41	1606
Regent's Park ...	40	26	1751
Shirley ...	40	28	1676
Shirley Warren ...	29	44	3516
St. Anne's ...	—	68	963
Station Road ...	24	39	1788
Swaythling...	30	32	1431
Western ...	20	52	1531
King Edward VI ...	—	37	262
Itchen Grammar ...	—	21	717
Girls' Grammar ...	—	23	206
Taunton's ...	—	5	68
TOTALS		831	33,953

Details for the complete year are not available in respect of the Grammar Schools, as the Centres at these schools were not incorporated in the general scheme until October/November, 1946.

ORTHOPAEDIC CLINIC.

It has been possible during the year to return to the pre-war practice of holding two major orthopaedic clinics a month visited by Mr. Langston and the Deputy Medical Superintendent of the Lord Mayor Treloar Hospital, Alton, alternately. The clinics are now of reasonable size, allowing adequate time for full investigation of the patients.

Minor orthopaedic clinics are held twice weekly, with the exception of those days on which major clinics fall. The minor clinics are conducted by an Assistant School Medical Officer.

The number of cases needing orthopaedic treatment has dropped substantially in recent years. This may be attributed to various factors. Rickets with resultant deformity is now rarely seen. Congenital deformities now almost always find their way to the clinic at a very early age and deformity is more readily and quickly corrected in consequence. There have been relatively few severe cases of poliomyelitis for some years and now that all cases of anterior poliomyelitis in children are transferred to the Lord Mayor Treloar Hospital as soon as possible after diagnosis, the degree of recovery experienced in this disease has improved, and unnecessary deformity has been prevented.

Although mild postural defects are still extremely common, severe postural defect and fixed deformity resulting from postural defect have decreased markedly. The Orthopaedic Surgeon believes this to be very largely due to the very valuable work done in the school remedial exercise classes under the direction of the P.T. Organiser, and he would like to express his thanks to the Head Teachers, the P.T. Organiser and the various teachers working under her direction who have so willingly co-operated in this preventive work.

Throughout the Country there is at the moment a shortage of physiotherapists and our clinic has suffered throughout the year from having no physiotherapist able to devote her whole time to the treatment of the more severe individual defects. This has meant that patients have had to be retained in hospital longer than would be otherwise necessary.

ORTHOPAEDIC CLINIC.

The following table gives details of the defects treated during the year :—

CONGENITAL—					RICKETS—				
Syndactyly	...	...	...	6	Genu Valgum	...	...	...	343
Talipes	...	...	...	24	Genu Varum	...	...	...	11
Torticollis	...	...	...	11	Other Forms	...	...	...	6
Spine	...	...	...	3					
Spina Bifida	...	...	...	6					
Dislocation of Hip	...	...	...	8					
Dislocation Patellae	...	...	...	3					
Short Leg	...	...	...	3					
Cleft Lip and Palate	...	...	...	6					
Cleft Lip	...	...	...	2					
Cleft Palate	...	...	...	8					
Exostosis	...	...	...	2					
Thumb	...	...	...	1					
Other Forms	...	...	...	12					
TRAUMATIC—					INFLAMMATIONS—				
Old Fracture	...	...	...	3	Arthritis	...	...	...	7
Scarring	...	...	...	4	Osteomyelitis	...	...	...	5
Sprains	...	...	...	1	Osteochondritis	...	...	...	1
Adolescent Slipped Epiphysis				1	Other Forms	...	...	...	2
Other Forms	...	...	...	4					
OTHERS—					PARALYSIS—				
Kypholordosis	...	...	...	8	Erb's Palsy	...	...	...	2
Kyphosis	...	...	...	24	A.P.M.	...	...	...	19
Scoliosis	...	...	...	82	Spastic Hemiplegia	...	...	...	5
Lordosis	...	...	...	17	Spastic Paraplegia	...	...	...	9
Spine	...	...	...	1	Spastic Monoplegia	...	...	...	3
Poor Posture	...	...	...	224	Bilateral Flaccid Paralysis	...	...	...	1
Pes Planus	...	...	...	349	Poliomyelitis	...	...	...	3
Pes Cavus	...	...	...	7	Bell's Paralysis	...	...	...	1
Pes Valgus	...	...	...	173					
Pes Varus	...	...	...	1					
Pes Plano Valgus	...	...	...	7					
Hallux Valgus	...	...	...	281					
Metatarsus Varus	...	...	...	4					
Coxa Valga	...	...	...	3					
Other Foot Deformities				281					
Plantar Wart	...	...	...	1					
Equino Cavus	...	...	...	2					
Right Arm Deformity (Amputation)	...	...	...	1					
Other Forms	...	...	...	142					
									2175

ANALYSIS OF ATTENDANCES AT THE ORTHOPAEDIC CLINIC, 1946.

Classification.	Under School Age.				School Age..				Over School Age.				Total.
	New	Old	New	Old	New	Old	New	Old	New	Old	New	Old	
Tuberculosis—													
Spine	—	—	—	—	—	—	—	—	6
Hips	—	—	2	17	—	7	2	24	
Other Joints	1	—	2	34	1	3	4	37	
Other Crippling Diseases—													
Feet and others	106	261	394	1266	3	17	503	1544			
Spine	8	29	140	290	2	11	150	330	
Rickets	1	—	2	—	—	—	3	—	
Total	116	290	540	1610	6	41	662	1941			
Cases from County	—	—	—	—	—	—	—	—	3	9	
									Total	665	1950		

RHEUMATISM AND HEART CLINIC.

The majority of cases under supervision are referred by School Medical Officers and Health Visitors for investigation of rheumatic pains or assessment of congenital abnormalities. Only one case of active rheumatic fever was seen at the clinic during the year.

TABLE A.

Under supervision, January, 1946	...	...	78
Number seen for first time in 1946	...	...	32
Discharged in 1946	...	...	5
Under supervision, December, 1946	...	...	105
Total number of visits	...	...	433

TABLE B.

New Cases :—

History of—

Rheumatic Fever	...	...	...	1
Rheumatic Pains	...	...	...	63
Suspected Rheumatic Pains	...	...	...	—
Chorea	...	...	...	10

TABLE C.

Of the new cases, the following were suspected or showed evidence of cardiac abnormality :—

Definite Carditis	...	...	...	18
Suspected „	...	...	...	2
Congenital abnormality	...	...	...	15
Functional	...	...	...	19
Myocarditis	...	...	...	—

TABLE D.

Recommendation made during the year with regard to individual children :—

Recommended admission to Hospital, Hospital School, etc.	...	...	...	2
Private doctor	...	...	...	1
Other Clinics	...	...	...	6
Stopped Physical Training	...	...	...	11
Physical Training resumed	...	...	...	1
Unfit for any school	...	...	...	—

ARTIFICIAL SUNLIGHT CLINIC.

	Mount Pleasant School Clinic			Itchen School Clinic Pre- School			Borough Hospital Branch Clinic		
	School	Pre- School	Total	School	Pre- School	Total	School	Pre- School	Total
Children who at- tended for the first time in 1946 ...	196	150	346	61	86	147	57	34	91
Number of attend- ances in 1946 ...	2861	2419	5280	2014	2241	4255	451	268	719

SPEECH CLINIC.

Children recommended for speech training are in the first instance examined by the Ear, Nose and Throat Surgeon who if he considers that such treatment would be beneficial refers them to the Speech Therapist. Before discharge from the Speech Clinic all cases are again seen by the Surgeon.

The Speech Therapist attends the Clinic for one half day session weekly.

1. No. of sessions conducted by Speech Therapist	...	48
2. No. of treatments given	...	296
3. No. of Consultations	...	22
4. No. of New cases admitted during the year	...	22
5. No. of cases discharged	...	17
6. No. of children on register, December, 1946	...	27

ASTHMA CLINIC.

Attendances at the Asthma Clinic held each week at the Mount Pleasant School Clinic have been well maintained during the year, a total of 65 cases now being under supervision. While the majority of new cases are referred by School Medical Officers at Routine School Medical Inspection and by Health Visitors, it is encouraging to note an increase in the number of children referred for investigation and supervision by Medical Practitioners in the town.

Full diagnostic facilities are available for all cases at the various specialist clinics and Borough Hospital.

Protein Sensitivity Tests are carried out on all cases, but only two cases were selected for specific protein therapy as better results are obtained by concentrating on improving the general health of the child, treatment of associated affections of the nose, throat and bronchi, and breathing exercises.

	Boys.	Girls.	Total.
Number of cases treated	56	12	68
Average age at onset (years)	3.9	4.3	
PROGRESS—			
Greatly improved	8	2	10
Improved	36	9	45
No change	12	1	13
Worse	—	—	—

DIPHTHERIA IMMUNISATION.

A Local Campaign to encourage the acceptance of Diphtheria Immunisation was inaugurated in Southampton in September and lasted for approximately three months. This local effort coincided with the National Campaign launched by the Ministry of Health. Full advantage was taken of press publicity together with slides shown at the local cinemas and posters in the Corporation trams and omnibuses.

In addition a personal letter to parents was printed in pamphlet form and contained statistics showing the progress of immunisation over a period of ten years together with the corresponding decrease in the diphtheria case rate from 741 cases in 1935 to 26 cases in 1945. A consent form for completion by the parent was included in the letter. The pamphlets were forwarded to the Head Teachers of all the Southampton schools for distribution to the children in attendance. The final result of the Campaign was most encouraging, 1,825 children receiving complete treatment up to the end of the year and an additional 2,008 children receiving the first protective injection. A further 2,192 children who had been immunised previously received additional injections to ensure that immunity was maintained.

In order to cope with the large number of cases involved special clinics were arranged in the majority of the schools in addition to the normal clinic facilities.

TABLE A.

The following table gives details of the treatment undertaken during the year :—

Number of new cases	...	...	...	3274
Number of Protective Injections :—				
Toxiad Antitoxin Floccules		First Injection		12
"	"	Second Injection		8
"	"	Third Injection		17
Alum Precipitated Toxoid		First Injection		3262
"	"	Second Injection		3204
"	"	Additional ,,		2466
				—
				8969
				—

TABLE B.
(Ministry of Health Annual Return for the Year Ended 31st December, 1946).

I. IMMUNISATION IN RELATION TO CHILD POPULATION.

Number of Children who had completed a full course of Immunisation at any time up to 31st December, 1946.

Age at 31/12/46. i.e. Born in year	Under 1 1946	1 1945	2 1944	3 1943	4 1942	5-9 1937-1941	10-14 1932-1936	Total Under 15
Number Immunised	2	1065	1658	1421	1390	7913	9480	22929

II. DIPHTHERIA NOTIFICATIONS AND DEATHS IN RELATION TO IMMUNISATION.

Notifications.			Deaths.		
Age at Date of Notifi- cation.	Number of Cases Notified.	Number of Cases included in pre- ceding column in which the child had completed a full course of Immunisation.	Age at Date of Death.	Number of Deaths.	Number of Cases included in pre- ceding column in which the child had completed a full course of Immunisation.
Under 1	—	—	Under 1	—	—
1	1	—	1	—	—
2	1	—	2	—	—
3	2	1	3	—	—
4	1	1	4	—	—
5 to 9	9	3	5 to 9	2	—
10 to 14	4	1	10 to 14	—	—
Totals	18	6	Totals	2	—

NOTE.

It is interesting to observe the increase in the number of children immunised at the age of two years (born 1944) during the year 1946, as compared with children immunised at the same age during the previous year.

It will be further observed that in the case of the two children who died from diphtheria these children had not completed a full course of immunisation.

MUNICIPAL CLINICS.

During the year 73,100 attendances were made by children at the various Clinics.

This high figure is proof of the growing appreciation on the part of the parents of the efforts taken to safeguard the health and well-being of the children under our care.

Table "A" below summarises the attendances made during the year 1946. Table "B" shows comparative figures of attendances during the years 1937, 1938, 1945 and 1946.

TABLE A.

Clinic.		Mount Pleasant	Itchen	East Park Terrace	Branch Clinics	Total
Dental Clinic	...	—	2944	4925	1259	9128
Skin Clinic	...	15771	5560	—	9719	31050
General Inspection	...	4029	1585	—	—	5614
Asthma Clinic	...	379	—	—	—	379
Rheumatism Clinic	...	433	—	—	—	433
Sunlight Clinic	...	5280	4255	—	719	10254
Ophthalmic Clinic	...	2600	—	—	—	2600
Ear, Nose and Throat Clinic	...	1816	—	—	—	1816
Orthopaedic Clinic	...	2615	—	—	—	2615
Special Cases	...	242	—	—	—	242
Immunisation Clinic	...	1792	1111	—	6066	8969
Totals	...	34957	15455	4925	17763	73100

TABLE B.

Clinic.		1937	1938	1945	1946
Dental Clinic	...	15769	16475	7565	9128
Skin Clinic	...	12468	13240	26877	31050
General Inspection	...	4075	4109	5169	5614
Asthma Clinic	...	—	230	378	379
Rheumatism Clinic	...	378	355	370	433
Sunlight Clinic	...	1514	3299	11307	10254
Ophthalmic Clinic	...	3150	3531	2328	2600
Ear, Nose and Throat Clinic		2710	2446	1544	1816
Orthopaedic Clinic	...	7627	6028	2223	2615
Special Cases	...	655	446	132	242
Camp Cases...	...	—	999	—	—
Immunisation Clinic	...	3570	8533	4041	8969
Child Guidance Clinic	...	—	779	—	—
Totals ...	...	51916	60470	61934	73100

INFECTIOUS DISEASE.

The notifications received from the Head Teachers during the year are summarised in the following table :—

School.	Scarlet Fever.	Diph-theria.	Measles.	Chicken Pox.	Whooping Cough.	Mumps.
Aldermoor	...	—	—	3	—	—
Ascupart	...	4	—	34	4	16
Bassett Green	...	1	—	14	13	20
Bevois Town	...	1	—	—	—	—
Bitterne C.E.	...	3	—	10	22	2
Bitterne Manor	...	—	—	—	3	3
Bitterne Park	...	9	3	9	69	50
Central	...	4	2	4	47	13
Chestnut Road	...	—	—	—	—	1
Deanery	...	1	—	—	2	—
Foundry Lane	...	10	—	—	17	28
Freemantle	...	2	—	16	1	1
Highfield	...	—	—	—	1	14
Laundry Road	...	—	—	1	1	2
Ludlow Road	...	18	—	3	9	6
Merry Oak	...	—	—	—	—	1
Middle Road	...	5	—	8	24	12
Mount Pleasant	...	1	—	—	17	13
Northam	...	2	—	1	42	7
Portswood	...	2	2	—	—	2
Regent's Park	...	5	1	5	6	15
Shirley Warren	...	3	—	1	—	1
Shirley	...	3	—	2	38	28
Springhill	...	—	—	—	—	1
Station Road	...	—	—	—	—	1
St. Denys	...	7	1	7	21	7
St. John's	...	—	—	1	7	—
St. Joseph's	...	—	—	—	1	1
St. Jude's	...	1	—	—	1	2
St. Mark's	...	—	—	—	—	—
St. Mary's	...	—	—	—	14	—
St. Monica Road	...	—	—	—	4	1
Swaythling	...	—	—	1	1	1
Western	...	3	—	1	5	2
Westfield Hall	...	—	—	—	—	—
Woolston	...	2	—	18	2	—
Woolston R.C.	...	1	—	—	—	—
Junior Technical	...	—	—	—	—	—
Totals	...	88	9	96	406	226
						597

CHILDREN EXCLUDED FROM SCHOOL, 1946.

The following are particulars of the defects for which children were excluded from School :—

Adenitis	...	...	...	...	2
Adenoid Operations	...	...	...	...	8
Bronchitis	...	...	...	...	34
Chicken Pox	...	...	...	...	11
Conjunctivitis	...	...	...	...	1
Debility	...	...	...	...	22
Glands	...	...	...	...	1
Herpes	...	...	...	...	1
Impetigo	...	...	...	...	116
Miscellaneous	...	...	...	...	454
Mumps	...	...	...	...	18
Otitis Media	...	...	...	...	1
Otorrhoea	...	...	...	...	1
Pediculosis Capitis	...	...	...	...	1593
Pleurisy	...	...	...	...	1
Rheumatism	...	...	...	...	1
Ringworm	...	...	...	...	10
Scabies	...	...	...	...	198
Sores	...	...	...	...	22
Tonsil and Adenoid Operations	...	...	...	...	283
Tonsillitis	...	...	...	...	20
Urticaria	...	...	...	...	3
Whooping Cough	...	...	...	...	2
TOTAL					2,803

PROVISION OF MEALS.

The total number of meals served during the year ended 31st December, 1946, was 1,058,182, supplemented by school kitchens attached to certain of the grammar schools; of this number 896,410 were supplied on payment and 161,772 were supplied free.

The average number of children for whom meals were provided at all the Schools was 6,004, and these were drawn from the following:-

Aldermoor	...	...	256	Portswood	...	...	139
Ascupart	...	...	106	Pre-Nursing	...	...	25
Bassett Green	...	...	261	Regent's Park	...	...	217
Bevois Town	...	...	53	St. Denys	...	...	139
Bitterne C.E.	...	...	178	St. Mary's	...	...	49
Bitterne Park	...	...	430	St. Mark's	...	...	54
Bitterne Manor	...	...	71	St. Monica Road	...	...	109
Central	...	...	268	St. Jude's	...	...	66
Coxford	...	...	147	St. John's	...	...	32
Deanery	...	...	78	St. Joseph's	...	...	36
Foundry Lane	...	...	381	Shirley Warren	...	...	210
Freemantle	...	...	90	Shirley	...	...	212
Highfield	...	...	122	Springhill Boys	...	...	78
Junior Technical	...	...	129	Springhill Girls & Inf.	...	...	166
Ludlow Road	...	...	287	Western Sec. Mixed	...	...	238
Middle Road Junior	...	...	90	Woolston Sec. Mixed	...	...	113
Middle Road Infants	...	...	73	Woolston Infants	...	...	44
Middle Road Sec.	...	...	75	Woolston R.C.	...	...	90
Merry Oak	...	...	84	Swaythling Boys & Girls	...	...	97
Mount Pleasant Infants	...	...	53	Swaythling Jun. & Inf.	...	...	79
Mount Pleasant Sec.	...	...	52	Taunton's Grammar	...	...	464
				Northam Junior	...	...	63

COD LIVER OIL AND MALT.

Number of recommendations made by assistant School Medical Officers for the supply of Cod Liver Oil and Malt during 1946	...	...	...	...	730
Number of children supplied on payment	...	...	...	...	1481
Number of children supplied free	...	...	...	...	1442
Number of children receiving Cod Liver Oil and Malt at home	...	...	...	...	21
					2,944

MILK.

During the year 3,179,052, third-pints of milk were consumed by children in school. During the first 7 months 1,623,646 third-pints were supplied on payment, and 167,760 free.

From the 9th September all milk was supplied free to school children and during the 4 months to the end of December 1,387,646 third-pints were supplied.

SOUTHAMPTON MENTAL WELFARE ASSOCIATION.

There were 45 Education cases on the Register of this Association on the 31st December, 1946, classified into the following grades :—

Under the age of 14 years.

	Boys.	Girls.	Total.
Feeble-minded	24	11	35
Imbecile	1	2	3
			— 38
Over the age of 14 years.			
Feeble-minded	3	4	7
Imbecile	—	—	—
			— 7
			— 45
			—

During the year 102 visits were paid to the homes of these children, and reports on the home circumstances and their general behaviour were sent to the Chief Education Officer and the School Medical Officer.

New cases during the year numbered 22.

The following cases were withdrawn :—

Placed in Approved Schools	...	...	2
Placed under Statutory Supervision	...	...	8
Transferred to Voluntary Supervision on attaining the age of 16 years	...	...	5
Placed in Special Residential Schools	...	...	2
Left Southampton	...	...	1

MEDICAL INSPECTION AT OCCUPATION CENTRE.

OCTOBER, 1946.

Number of Examinations ...	...	...	23
Number of Parents present	...	...	17

DEFECT		REFERRED FOR TREATMENT	OBSERVATION
Nose & Throat - (Other Conditions)		1	—
Other Ear Diseases	...	1	—
Mental Condition	...	1	13
Speech	...	—	7
Deformities, other forms	...	2	2
Other Defects & Diseases	...	3	1

MEDICAL INSPECTION AND TREATMENT RETURNS.

YEAR ENDED 31ST DECEMBER, 1946.

TABLE I.

Medical Inspections of Pupils Attending Maintained Primary and Secondary Schools.

A.—ROUTINE MEDICAL INSPECTIONS.

(1) No. of Inspections :

Entrants	...	...	...	...	2175
Second Age Group	...	...	...	...	683
Third Age Group	...	...	...	...	1254
			Total	...	4112

(2) No. of other Routine Inspections

(Intermediate Age Group)	...	...	...	2084
		Grand Total	...	6196

B.—OTHER INSPECTIONS.

No. of Special Inspections and Re-Inspections	...	20203
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TABLE II.

Classification of the Nutrition of Pupils Inspected During the Year in the Routine Age Groups.

Number of Pupils Inspected.	A (Excellent)		B (Normal)		C (Slightly Subnormal)		D (Bad)	
	No.	%	No.	%	No.	%	No.	%
6196	1105	17.8	4653	75.1	437	7.1	1	—

TABLE III.

Group I.—Treatment of Minor Ailments (Excluding uncleanness).

Total Number of Defects treated or under treatment during the year	...	...	...	...	2102
<hr/>					

Group II.—Treatment of Defective Vision and Squint.

ERRORS OF REFRACTION (including Squint)	...	705
Other defect or disease of the eye (excluding those recorded in Group I)	...	289
Total	...	994

No. of Pupils for whom spectacles were

(a) Prescribed	...	...	...	...	417
(b) Obtained	...	...	...	...	405

Group III.—Treatment of Defects of Nose and Throat.

Received Operative Treatment	...	...	384
Received other forms of Treatment	...	...	404
Total number treated	...	788	<hr/>

TABLE IV.
DENTAL INSPECTION AND TREATMENT.

(1)	Number of pupils inspected by the Dentist :					
	(a) Routine Age-Groups ...	...	...	...	...	6037
	(b) Specials ...	...	...	...	...	2050
	(c) Total (Routine and Specials)	...	...	...	...	8087
(2)	Number found to require treatment	...	...	...	...	4783
(3)	Number actually treated ...	...	...	...	...	4544
(4)	Attendances made by pupils for treatment	...	...	...	...	9128
(5)	Half-days devoted to :—					
	Inspection	...	...	...	...	40
	Treatment	...	...	...	...	1093
				Total	...	1133
(6)	Fillings :—					
	Permanent Teeth ...	...	...	...	...	4789
	Temporary Teeth ...	...	...	...	...	1821
				Total	...	6610
(7)	Extractions :—					
	Permanent Teeth ...	...	...	...	...	681
	Temporary Teeth ...	...	...	...	...	3989
				Total	...	4670
(8)	Administrations of general anaesthetics for extractions	...				1852
(9)	Other Operations :—					
	Permanent Teeth ...	...	...	...	...	902
	Temporary Teeth ...	...	...	...	...	193
				Total	...	1095

TABLE V.
VERMINOUS CONDITIONS.

(i)	Total number of examinations of pupils in the Schools by School Nurses or other authorised persons	...	68294
(ii)	Number of individual pupils found unclean	...	1152

